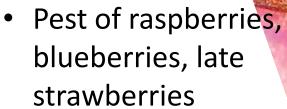
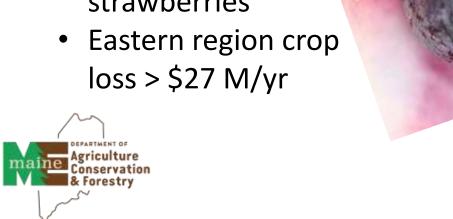


Spotted-wing Drosophila

Drosophila suzukii

Photo: Martin Hauser, CA Dept Food and Agric





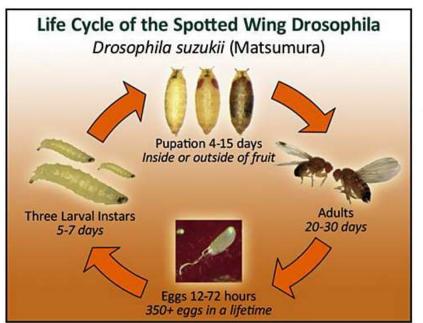




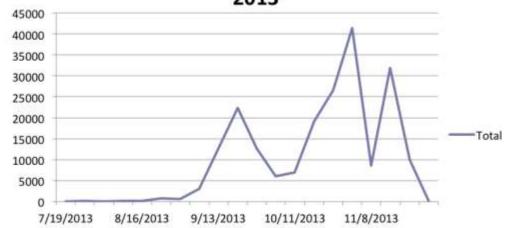
Spotted Wing Drosophila

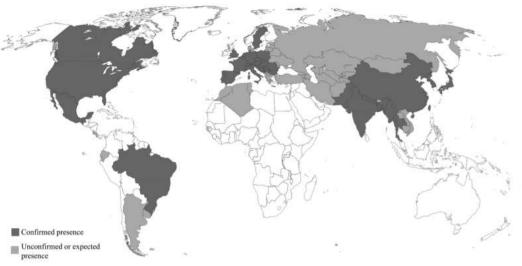


- Rapid population increasemultiple generations/yr
- Wide host range
- Wide distribution
- Overwinters between stones, under leaves, in buildings
- Large economic impact



Spotted Wing Drosophila Trap Captures 2013

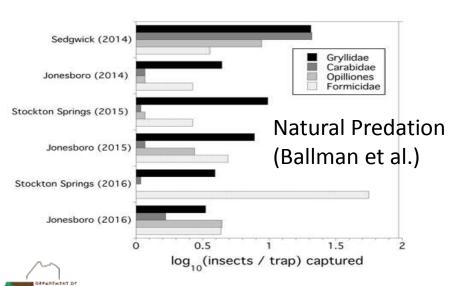




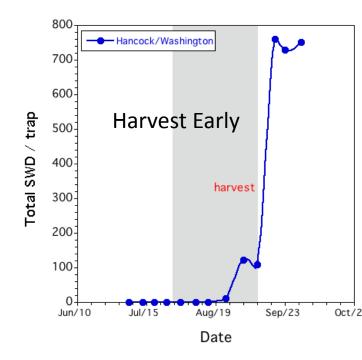
Managing SWD

Exclusion Netting (Alnajjar et al. 2017)





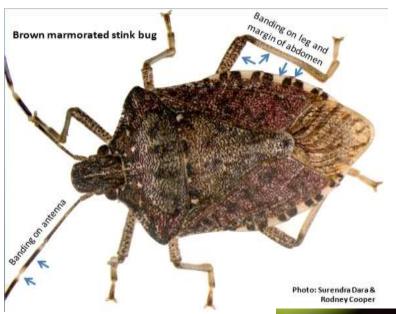




Brown Marmorated Stink Bug



Halyomorpha halys



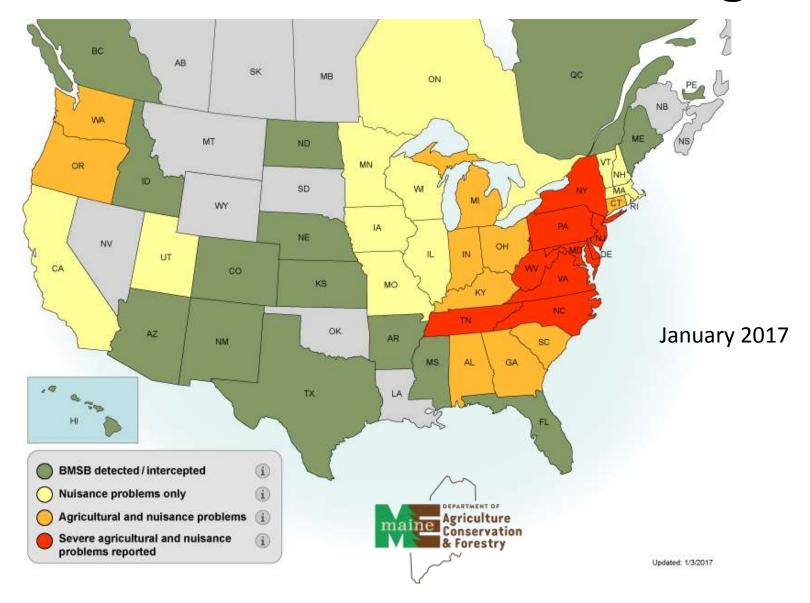
- Native to Asia
- Fruit/veg pest
- Nuisance pest in buildings







Brown Marmorated Stink Bug



Brown Marmorated Stink Bug

Detections in trailers and homes in ME

• Invades structures in fall.

 Transported on vehicles, trailers, containers

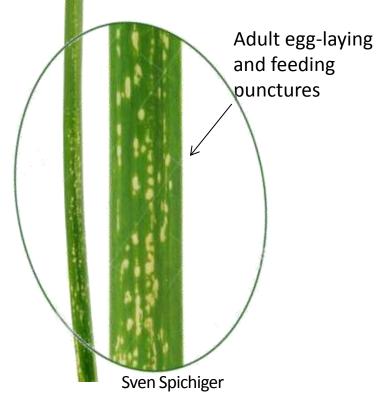




Allium Leafminer

Phytomyza gymnostoma

- Alliums: leeks, onions, chives, garlic
- Native to Germany.
 Economic pest in Europe.
- Found in PA (2015), NJ







Allium Leafminer









Curled and distorted leaves (photo by Garden Focused.co.uk)

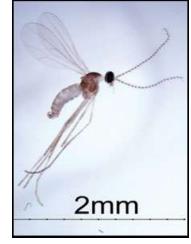
Pupae in garlic (photo by Syston Allotment Society Newsletter)



Swede Midge

Contarinia nasturtii

- Found in 7 states and 6 CA provinces (including NY, VT, MA, Quebec)
- Deformed, unmarketable crucifer crops (broccoli, cabbage, cauliflower)



S. Ellis, USDA APHIS PPQ





Daylily Leafminer

Ophiomyia kwansonis

- Daylilies
- Found from TX to NY. Unconfirmed report in ME







Spotted Lanternfly

Lycorma delicatula—native to Asia

- Found in PA 2014
- Feeds on 40 species of trees and ornamentals such as grapes, peaches, apples, dogwood, maples, walnut, oak, and pines
- PA banned transport of firewood, outdoor lawn equipment, trucks, RVs from infested locations





Dickeya spp.

- Bacterial pathogens of potato.
- 'Blackleg' symptoms expressed under warm (> 77°F), wet conditions.
- Spread via tubers—impact on seed potato industry
- D. dianthicola widespread.
 D. solani not yet found in
 N. A.





Boxwood Blight

Calonectria
pseudonaviculata and
C. henricotiae

- Fungal pathogen
- Spreads readily from nursery plants to susceptible hosts in landscape

Regulated in PA

Microsclerotia — survive years in soil and plant debris



Mile-a-Minute Vine

Persicaria perfoliata

- Herbaceous annual climbing vine
- Colonizes open and disturbed areas
- Seeds dispersed by wildlife, water, equipment, nursery stock
- Found VA to MA



Thanks!

- Contributors
 - Ellie Groden, Frank Drummond Lab, David Handley,
 Glen Koehler (UMaine)
 - Sarah Scally, Carole Neil, Karen Coluzzi, Gary Fish, Ann
 Gibbs (ME Dept Agriculture, Conservation and Forestry)

